

**Flood Control Project Maintenance  
Levee Inspections**

**Fall 2012 Levee Maintenance Deficiency Summary Report**

**Overall LMA & Unit Ratings, including USACE Erosion Survey**

**Sacramento River Basin**

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<b>RD0551</b> <b>Reclamation District No. 0551 Pearson</b>	Overall LMA Rating	Total LMA Miles	<i>* Overall LMA Threshold Percent is less than 10.00%; however, U Rated Miles are present, so the Overall LMA Rating is M instead of A.</i>					
	<b>M *</b>	<b>6.84</b>						
Rated Item	Maintenance Deficiency					Enforcement		Design & System Obsolescence
	M Miles	U Miles	M + 4U Miles	Threshold %		M Miles	U Miles	M Miles U Miles
<i>Earthen Levee</i>								
Vegetation						0.10		
Encroachments						0.05	0.01	
Animal Control	0.02		0.02	0.29%				
Erosion / Bank Caving		0.01	0.04	0.58%				
<i>LMA Totals:</i>	0.02	0.01	0.06	0.88% *		0.15	0.01	0.00 0.00

**Flood Control Project Maintenance  
Levee Inspections**

**LMA District Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Reclamation District No. 0551 Pearson**

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	Spring (March - May)	Summer ** (June - August)	Fall (September - November)	Winter ** (December - February)
* Overall LMA Rating (Fall Only)			M	

\*\* Non-receipt of Summer or Winter Inspection Reports may effect overall annual rating.

\*

SPRING INSPECTIONS: Overall maintenance ratings are not determined for the spring inspection results. Individual maintenance deficiencies are rated using the same criteria in the spring and in the fall.

FALL INSPECTIONS: The overall maintenance rating shown above is based on operation and maintenance deficiencies identified within the attached unit inspection reports.

Comments


**Flood Control Project Maintenance  
Levee Inspections**

**Unit Cover Sheet**

**Fall 2012 Levee Inspection Results**

**Reclamation District No. 0551 Pearson**

Waterway			Bank	Unit Miles
Unit No. 01 Sacramento River			Left	6.84
	Spring (March - May)	Summer (June - August)	(September - November) <b>Fall</b>	Winter (December - February)
Unit Maintenance Rating (Fall Only)			<b>M</b>	
Date of Inspection	03/30/2012 - 03/30/2012		11/08/2012 - 11/08/2012	
DWR Inspector	Herman Phillips		Herman Phillips	
Accompanied By	Mr. Topper Van-Loben-Sels RD 551		Mr. Topper Van-Loben-Sels RD 551	

**Summer & Winter Inspections**

The Local Maintaining Agency (LMA) is responsible for summer and winter inspections. The LMA is required to submit a report regarding summer and winter inspections to the California Department of Water Resources (DWR).

DWR must be informed on the:

- a) completion of the inspection
- b) any changes other than the results of normal maintenance
- c) corrections to deficiencies noted in this report

If additional items are noted, further documentation of those items must also be submitted.

The LMA should submit this information to DWR using the LMA web application tool available at:

<http://cdec.water.ca.gov/lma.html>

If the LMA is unable to submit information on this webpage, please contact DWR for assistance.

*The LMA should submit the information and any associated documentation by September 30 for summer inspections and March 31 for winter inspections.*

**Flood Control Project Maintenance  
Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0551 Pearson**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
L/MR No.	Levee Mile		Category	Item	* Location	* Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
1	Earthen Levee	Emergency Supplies & Equipment	WS	A Ma						°	° 3
										°	°
										DWR ID: DWR_RD0551_01_s_2012_3	
2	Earthen Levee	Flood Preparedness & Training	WS	A Ma						°	° 15
										°	°
										DWR ID: DWR_RD0551_01_s_2012_15	
3	Earthen Levee	Operations & Maintenance Manuals	WS	A Ma						°	° 23
										°	°
										DWR ID: DWR_RD0551_01_s_2012_23	
4	0.00 0.00	Earthen Levee	Vegetation	LS A Ma	V1 : Control annual grass and weeds on the levee slopes and easements.			38.336154 ° 38.336154 ° 12 -121.564773 ° -121.564773 ° Y			
								DWR ID: DWR_RD0551_01_f_2012_12			
5	0.00 0.00	Earthen Levee	Vegetation	WS A Ob	V1 : Control annual grass and weeds on the levee slopes and easements.			38.336154 ° 38.336154 ° 27 -121.564773 ° -121.564773 ° Y			
								DWR ID: DWR_RD0551_01_s_2012_27			
6	0.20 0.20	Earthen Levee	Trim / Thin Trees	LS C Ma	T5 : Tree stumps.			38.334323 ° 38.334323 ° 7 -121.567140 ° -121.567140 °			
								DWR ID: DWR_RD0551_01_s_2012_7			
7	0.20 0.20	Earthen Levee	Encroachments	LS C Ma	TR : Tree or limb			38.334322 ° 38.334322 ° 8 -121.567140 ° -121.567140 °			
								DWR ID: DWR_RD0551_01_s_2012_8			
8	0.20 0.20	Earthen Levee	Trim / Thin Trees	LS C Ma	T5 : Tree stumps.			38.334323 ° 38.334323 ° 21 -121.567122 ° -121.567122 °			
								DWR ID: DWR_RD0551_01_s_2012_21			
9	0.22 0.22	Earthen Levee	Trim / Thin Trees	LS C Ma	T5 : Tree stumps.			38.334095 ° 38.334095 ° 18 -121.567387 ° -121.567387 °			
								DWR ID: DWR_RD0551_01_s_2012_18			
10	0.23 0.25	Earthen Levee	Animal Control	LS C Ma	A1 : Exterminate rodents and backfill and compact or grout burrows.			38.333999 ° 38.333728 ° 82 -121.567493 ° -121.567766 °			
								DWR ID: DWR_RD0551_01_s_2012_82			
11	0.32 0.32	Earthen Levee	Encroachments	LS C En	TR : Tree or limb			38.333080 ° 38.333080 ° 83 -121.568603 ° -121.568603 °			
								DWR ID: DWR_RD0551_01_s_2012_83			
12	0.41 0.41	Earthen Levee	Encroachments	WS C En	EQ : Equipment			38.332110 ° 38.332110 ° 84 -121.569720 ° -121.569720 °			
								DWR ID: DWR_RD0551_01_s_2012_84			
13	0.50 0.50	Earthen Levee	Encroachments	WS U En	BU : Building Inspector Comments: There is no CVFPB permit for this construction site. District is aware of the construction and has been told to contact owner to shut down construction.			38.331023 ° 38.331023 ° 1 -121.570778 ° -121.570778 ° Y			
								DWR ID: DWR_RD0551_01_f_2012_1			
14	0.54 0.58	Earthen Levee	Vegetation	WS C En	V6 : Landscaping			38.330557 ° 38.330158 ° 4 -121.571237 ° -121.571595 °			
								DWR ID: DWR_RD0551_01_s_2012_4			

\* Location  
LS : Land Side  
WS : Water Side  
CR : Crown

\*\* Rating  
A : Acceptable  
M : Minimally Acceptable  
U : Unacceptable

N : Not Inspected/Rated  
C : Corrected  
A/W : Acceptable but Monitor & Maintain

+ Issue Type  
Ma : Maintenance Deficiency  
Ob : Design & System Obsolescence  
En : Enforcement

**Flood Control Project Maintenance**  
**Levee Inspections**

**Levee Inspection Report By Mile - Fall 2012**

**Reclamation District No. 0551 Pearson**

Waterway								Bank	Unit Miles	Inspection Start/End	Inspector
L/MR No	Levee Mile		Category	Item	* Location	* Rating	Action/Comment	GPS Latitude/Longitude		Issue No.	
	Start	End						Start	End		
15	0.55	0.55	Earthen Levee	Encroachments	WS En	M	BU : Building	38.330485 °	38.330485 °	2	
								-121.571209 °	-121.571209 °		
								DWR ID: DWR_RD0551_01_s_2012_2			
16	0.56	0.59	Earthen Levee	Vegetation	LS En	C	V6 : Landscaping	38.330372 °	38.330058 °	5	
								-121.571415 °	-121.571697 °		
								DWR ID: DWR_RD0551_01_s_2012_5			
17	0.60	0.60	Earthen Levee	Encroachments	WS En	M	BU : Building	38.329918 °	38.329918 °	9	
								-121.571742 °	-121.571742 °		
								DWR ID: DWR_RD0551_01_s_2012_9			
18	0.60	0.60	Earthen Levee	Erosion / Bank Caving	WS Ma	U	E2 : Schedule repair of erosion site prior to the next inspection.	38.329895 °	38.329895 °	87	
								-121.571840 °	-121.571840 °	Y	
								DWR ID: DWR_RD0551_01_s_2012_87			
19	0.70	0.73	Earthen Levee	Encroachments	WS En	C	MA : Material Inspector Comments: This property has several unauthorized encroachments that were identified during the spring inspection that still remain on location to date, 11-19-2009.	38.328651 °	38.328286 °	42	
								-121.372755 °	-121.573045 °		
								DWR ID: DWR_RD0551_01_s_2012_42			
20	0.76	0.76	Earthen Levee	Encroachments	WSA/W Ma	ST	Stairway Inspector Comments: There is a permit pending for this encroachment. The land owner has a Permit for this Encroachment.	38.327852 °	38.327852 °	29	
								-121.573487 °	-121.573487 °		
								DWR ID: DWR_RD0551_01_s_2012_29			
21	1.54	1.54	Earthen Levee	Encroachments	WS En	C	PO : Pole Inspector Comments: Abandoned cut off power pole on waterward shoulder left by SMUD.	38.316692 °	38.316692 °	88	
								-121.576668 °	-121.576668 °		
								DWR ID: DWR_RD0551_01_s_2012_88			
22	1.54	1.62	Earthen Levee	Vegetation	WS En	M	V6 : Landscaping	38.317138 °	38.316060 °	6	
								-121.576567 °	-121.576688 °		
								DWR ID: DWR_RD0551_01_s_2012_6			
23	1.57	1.57	Earthen Levee	Encroachments	WS En	M	PO : Pole	38.316695 °	38.316695 °	86	
								-121.576669 °	-121.576669 °		
								DWR ID: DWR_RD0551_01_s_2012_86			
24	1.69	1.71	Earthen Levee	Encroachments	LS En	M	FE : Fence	38.315060 °	38.314717 °	11	
								-121.576770 °	-121.576788 °		
								DWR ID: DWR_RD0551_01_s_2012_11			
25	1.69	1.71	Earthen Levee	Vegetation	LS En	M	V6 : Landscaping	38.315048 °	38.314717 °	10	
								-121.576800 °	-121.576787 °		
								DWR ID: DWR_RD0551_01_s_2012_10			
26	3.81	3.89	Earthen Levee	Vegetation	LS En	C	V6 : Landscaping	38.289027 °	38.288157 °	41	
								-121.557542 °	-121.556595 °		
								DWR ID: DWR_RD0551_01_s_2012_41			
27	5.07	5.08	Earthen Levee	Trim / Thin Trees	LS Ma	C	T5 : Tree stumps.	38.276587 °	38.276450 °	20	
								-121.541173 °	-121.541000 °		
								DWR ID: DWR_RD0551_01_s_2012_20			
28	5.10	5.14	Earthen Levee	Vegetation	LS En	C	V6 : Landscaping	38.276300 °	38.275875 °	19	
								-121.540775 °	-121.540232 °		
								DWR ID: DWR_RD0551_01_s_2012_19			

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**Reclamation District No. 0551 Pearson**

Waterway							Bank	Unit Miles	Inspection Start/End	Inspector	
LMR No.	Levee Mile		Category	Item	* Location	** Rating	Action/Comment			GPS Latitude/Longitude	Issue No.
	Start	End								Start	End
											Photo
29	5.64	5.67	Earthen Levee	Vegetation	LS	C	V6 : Landscaping En			38.270850 °	38.270543 °
										-121.533632 °	-121.533202 °
										DWR ID: DWR_RD0551_01_s_2012_13	
30	6.02	6.04	Earthen Levee	Animal Control	LS	M	A1 : Exterminate rodents and backfill and compact or Ma grout burrows.			38.267243 °	38.267083 °
										-121.528433 °	-121.528262 °
										DWR ID: DWR_RD0551_01_s_2012_16	

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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.84	11/08/2012 11/08/2012	Herman Phillips

Levee Mile Report Line	4
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Land Side
Category	Earthen Levee
Item	Vegetation
RD 551 Looking downstream from levee mile 0.00 landward. Photo taken 11-08-2012.	
phillips_f_20121119_386.jpg	



Levee Mile Report Line	5
Start Levee Mile	0.00
End Levee Mile	0.00
Location	Water Side
Category	Earthen Levee
Item	Vegetation
RD 551 looking downstream from levee mile 0.00. Photo taken 11-08-2012.	
phillips_f_20121119_384.jpg	



Levee Mile Report Line	13
Start Levee Mile	0.50
End Levee Mile	0.50
Location	Water Side
Category	Earthen Levee
Item	Encroachments
RD 551 LEVEE MILE 0.49 unauthorized building construction waterside of levee section. Photo taken 11-08-2012.	
phillips_f_20121119_385.jpg	



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Waterway	Bank	Unit Miles	Inspection Start/End	Inspector
Unit No. 01 Sacramento River	Left	6.84	11/08/2012 11/08/2012	Herman Phillips

Levee Mile Report Line	18
Start Levee Mile	0.60
End Levee Mile	0.60
Location	Water Side
Category	Earthen Levee
Item	Erosion / Bank Caving
Property owner has excavated into toe of levee section at base of structure. Photo taken 3-30-2012. This property has been sold to new owner. District will notify new owner to make repairs to damage.	
phillips_f_20120911_229.jpg	



* Location LS : Land Side WS : Water Side CR : Crown
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** Rating A : Acceptable M : Minimally Acceptable U : Unacceptable	N : Not Inspected/Rated C : Corrected A/W : Acceptable but Monitor & Maintain	+ Issue Type Ma : Maintenance Deficiency Ob : Design & System Obsolescence En : Enforcement
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